Journal of Clinical Ultrasound

Contents

Volume 33, 2005

Volume 33, Number 1, January 2005

RESEARCH ARTICLES

1 **Prevalence of Carotid Artery Stenosis in Taiwanese Patients with One Ischemic Stroke**

Teng-Yeow Tan, MD, Ku-Chou Chang, MD, Chia-Wei Liou, MD, and Ulf Schminke, MD

5 **Transrectal Sonographic Features of Prostatic Intraepithelial Neoplasia: Correlation with Pathologic Findings**

Eriz Özden, MD, Çağatay Göğüş, MD, Tamer Karamürsel, MD, Sümer Baltacı, MD, Sadettin Küpeli, MD, and Orhan Göğüş, MD

10 **Uterine Sarcomas Versus Leiomyomas: Gray-scale and Doppler Sonographic Findings**

Rami Aviram, MD, Yifat Ochshorn, MD, Ofer Markovitch, MD, Ami Fishman, MD, Ilan Cohen, MD, Marco M. Altaras, MD, and Ron Tepper, MD

14 **Effect of Maternal Age on Uterine Flow Impedance**

Jouko Pirhonen, MD, PhD, Tone Kristin Bergersen, MD, PhD, Michael Abdlenoor, MPH, PhD, Marius Dubiel, MD, PhD, and Saemundur Gudmundsson, MD, PhD

18 **Sonographic Umbilical Vessel Morphometry and Perinatal Outcome of Fetuses with a Lean Umbilical Cord**

Fabio Ghezzi, MD, Luigi Raio, MD, Daniela Günter Duwe, MD, Antonella Cromi, MD, Evgenia Karousou, PhD, and Peter Dürig, MD

24 **Hemodynamics of the Posterior Cerebral Arteries in Neonates with Periventricular Leukomalacia**

Sumio Fukuda, MD, Satomi Kuwabara, Mari Yasuda, Keisuke Mizuno, Takenori Kato, MD, Takahiro Sugiura, MD, Mohamed Hamed Hussein, Ineko Kato, MD, Shinji Fujimoto, MD, Hisanori Sobajima, MD, and Hajime Togari, MD

29 **Sonographic Demonstration of the Normal Thoracic Esophagus**

Shang-Yong Zhu, MS, Ruo-Chuan Liu, MB, Li-Hong Chen, MB, Feng Luo, MS, Hong Yang, MS, Xu Feng, MS, and Xin-Hong Liao, MB

CASE REPORTS

34 **Diabetic Fibrous Mastopathy: Sonographic-Pathologic Correlation**

Giorgio M. Baratelli, MD, and Cristina Riva, MD

38 **Color Doppler Sonographic Findings in Penile Fracture**

Selim Kervancioglu, MD, Ayhan Ozkur, MD, and M. Metin Bayram, MD

43 **Sonography in Diagnosis and Follow-up of Serosal Eosinophilic Gastroenteritis Treated with Corticosteroid**

Mladen Buljevac, MD, PhD, Marija Crnčević Urek, MD, MSc, and Tajana Štoos-Veić, MD

Volume 33, Number 2, February 2005

RESEARCH ARTICLES

47 **Accuracy of Sonographically Guided 14-Gauge Core-Needle Biopsy: Results of 715 Consecutive Breast Biopsies with at Least Two-Year Follow-up of Benign Lesions**

Pavel Crystal, MD, Michael Koretz, MD, Semyon Shcharynsky, MD, PhD, Victoria Makarov, MD, and Selwyn Strano, MD

53 **Interobserver Variation in Sonography of the Painful Shoulder**

Philip J. O'Connor, FRCR, James Rankine, FRCR, W. W. Gibbon, FRCR, A. Richardson, DCR, Faith Winter, DCR, and John H. Miller, FRCR

57 **Sonographically Guided Core Biopsy in the Assessment of Thyroid Nodules**

John N. Harvey, MD, David Parker, FRCR, Parijat De, MB, Raj K. Shrimali, MB, and Mark Otter, MRCPath

63 **Sonographic Detection of Physiologic Pleural Fluid in Normal Pregnant Women**

Igor Kocijančič, MD, PhD, Stanko Pušenjak, MD, MSc, Ksenija Kocijančič, MD, MSc, and Gaj Vidmar, MSc

67 **Placental Lakes on Sonographic Examination: Correlation with Obstetric Outcome and Pathologic Findings**

Nádia S. V. Reis, MD, PhD, Maria L. Brizot, MD, PhD, Regina Schultz, MD, PhD, Roseli M. Y. Nomura, MD, PhD, and Marcelo Zugaib, MD, PhD

72 **Role of Renal Sonography in the Intensive Care Unit**

Shih-Wen Huang, MD, Chien-Te Lee, MD, Chi-Hsiu Chen, MD, Chung-Hua Chuang, MD, and Jin-Bor Chen, MD

76 **Sonographic Diagnosis of Right Segmental Omental Infarction**

Gil N. Bachar, MD, Gideon Shafir, MD, Vladislav Postnikov, MD, Alexander Belenky, MD, PhD, and Ofer Benjaminov, MD

80 **Evaluation of Carotid Artery Wall Thickness with High-Resolution Sonography in Obstructive Sleep Apnea Syndrome**

Remzi Altın, MD, Hüseyin Özdemir, MD, Kamran Mahmutyazıcıoğlu, MD, Levent Kart, MD, Lokman Uzun, MD, Tülay Özer, MD, Ahmet Savranlar, MD, and Mustafa Aydın, MD

CASE REPORTS

87 **Role of Sonography in the Preoperative Assessment of Neurilemmoma**

Yao-Lung Kuo, MD, Wei-Jen Yao, MD, and Haw-Yen Chiu, MD

90 **Mesenteric Lymphangioma Presenting as Adnexal Torsion: Case Report and Literature Review**

Athanasios Protopapas, MD, Dimitrios Papadopoulos, MD, Alexandros Rodolakis, MD, Sophia Markaki, MD, and Aris Antsaklis, MD

Volume 33, Number 3, March/April 2005

RESEARCH ARTICLES

95 **Effect of Diffuse Fatty Infiltration of the Liver on Hepatic Artery Resistance Index**

Ismail Mihmanli, MD, Fatih Kantarci, MD, Mehmet Halit Yilmaz, MD, Bengi Gurses, MD, Dogan Selcuk, MD, Gunduz Ogut, MD, Ayca Altug, MD, and Omer Uysal, MSc

100 **Differential Diagnosis of Hepatic Cystic Lesions with Gray-scale and Color Doppler Sonography**

Ping Liang, MD, Bingsheng Cao, MD, Yan Wang, Xiaoling Yu, MD, Dejiang Yu, and Baowei Dong, MD

106 **Ultrastructural Biologic Effects of Sonography with Pulse Inversion and Microbubble Contrast in Rabbit Liver**

Giuseppe Caruso, MD, Biagio Valentino, MD, Giuseppe Salvaggio, MD, Elvira Farina Lipari, MD, Diego Lipari, MD, Giuseppe Brancatelli, MD, Roberto Lagalla, MD, and Adelfio Elio Cardinale, MD

112 **Three-Dimensional Reconstruction of Endosonographic Images of Gastric Lesions: Preliminary Experience**

Akemi Tsutsui, MD, Seisuke Okamura, MD, Naoki Muguruma, MD, Koji Tsujigami, MD, Soichi Ichikawa, MD, Susumu Ito, MD, and Kazunori Umino

119 **Correlation between Fetal Gastric Size and Amniotic Fluid Volume**

Avi Ben-Haroush, MD, Yariv Yogev, MD, Yoav Peled, MD, Jacob Bar, MD, Moshe Hod, MD, and Josef Pardo, MD

123 **Doppler Sonography of the Normal Lacrimal Gland**

Yasemin Bilgili, MD, Pelin Taner, MD, Birsen Unal, MD, Ilknur Simsir, MD, Simay Altan Kara, MD, Merih Bayram, MD, and Banu Alicioglu, MD

PICTORIAL ESSAY

127 **Vascular and Nonvascular Complications of Renal Transplants: Sonographic Evaluation and Correlation with Other Imaging Modalities, Surgery, and Pathology**

Sarah M. Friedewald, MD, Ernesto P. Molmenti, MD, John J. Friedewald, MD, Marius R. DeJong, RDMS, RVT, RDCS, and Ulrike M. Hamper, MD

CASE REPORTS

140 **Extranodal Primary B-Cell Non-Hodgkin Lymphoma of the Breast Mimicking Acute Mastitis**

Ahuva Grubstein, MD, Osnat Givon-Madhala, MD, Sara Morgenstern, MD, and Maya Cohen, MD

143 **Rare Right Ventricular Myxoma Detected Incidentally on a FAST Examination**

Paraskevas S. Brestas, MD, Katerina S. Malagari, MD, PhD, and Dimitrios A. Kelekis, MD, PhD

146 **Pericentric Inversion of Chromosome 2 and Echogenic Vasculature in the Basal Ganglia: A New Finding?**

Marco Pezzati, MD, Maria Luisa Uzielli Giovannucci, MD, Luca Filippi, MD, Carlo Dani, MD, and Firmino F. Rubaltelli, MD

149 **Sonographic Features of Ebstein Anomaly Associated with Hydrops Fetalis: a Report of Two Cases**

Theera Tongsong, MD, Pharuhas Chanprapaph, MD, Surapan Khunamornpong, MD, and Supatra Sirichotiyakul, MD

Volume 33, Number 4, May 2005

RESEARCH ARTICLES

155 **Sonography as the Primary Screening Method in Evaluating Blunt Abdominal Trauma**

Jeannette Bakker, MD, Roel Genders, MD, Willem Mali, MD, and Loek Leenen, MD

164 **Hypoechoic Focal Liver Lesions: Characterization with Contrast Enhanced Ultrasonography**

Mirko D'Onofrio, MD, Umberto Rozzanigo, MD, Bianca Maria Masinielli, MD, Sabrina Caffarri, MD, Andrea Zogno, MD, Roberto Malagò, MD, and Carlo Procacci, MD

173 **Effects of Sildenafil on Major Arterial Blood Flow Using Duplex Sonography**

Ercan Kocakoc, MD, Arslan Ardicoglu, MD, Zulkif Bozgeyik, MD, Adem Kiris, MD, Veysel Yuzgec, MD, and Erkin Ogur, MD

176 **Measuring Resistance Index in Patients with BPH and Lower Urinary Tract Symptoms**

Huseyin Ozdemir, MD, Rahmi Onur, MD, Zulkif Bozgeyik, MD, Irfan Orhan, MD, M. Sezai Ogras, MD, and Erkin Ogur, MD

181 **Evaluation of Postmyomectomy Uterine Scar**

Atef M. Darwish, MD, Ahmed M. Nasr, MD, and Diaa A. El-Nashar, MD

CASE REPORTS

187 **The Role of Sonography in Detecting Radial Head Subluxation in a Child**

Shay Shabat, MD, Yoram Folman, MD, Gideon Mann, MD, Yavgeni Kots, MD, Brian Fredman, MB, BCh, Moshe Banian, Naftali Liberman, MD, and Meir Nyska, MD

190 Diagnosis of Early Intramural Ectopic Pregnancy

Gui Se Ra Lee, MD, Soo Young Hur, MD, In Kown, MD, Jong Chul Shin, MD, Soo Pyung Kim, MD, and Sa Jin Kim, MD

193 Prenatal Sonographic Diagnosis of Truncus Arteriosus Associated with Holoprosencephaly

Theera Tongsong, MD, Surapan Khunamornpong, MD, Chanane Wanapirak, MD, and Supatra Sirichotiyakul, MD

197 Prenatal Diagnosis of Transposition-Like Double-Outlet Right Ventricle with Mitral Valve Atresia in Heterotaxy Syndrome

Theera Tongsong, MD, Rekwan Sittiwangkul, MD, Chanane Wanapirak, MD, and Supatra Sirichotiyakul, MD

201 Cardiac Hydatid Cysts: Echocardiographic Findings

John Barbetseas, MD, Spyros Lambrou, MD, Constantina Aggeli, MD, Gregory Vyssoulis, MD, Alexandra Frogoudaki, MD, Eleftherios Tsiamis, MD, and Christodoulos Stefanadis, MD

Volume 33, Number 5, June 2005

RESEARCH ARTICLES

207 Dynamic Ultrasonography of Rotator Cuff Muscles

Thomas Dirk Boehm, MD, Stephan Kirschner, MD, Thomas Mueller, MD, Ulf Sauer, MD, and Frank E. Gohlke, MD

214 Volume Changes in the Gallbladder in Association with Various Radiologic Examinations

Hasan Nazaroğlu, MD, Cihan Akgül, MD, Yaşar Bükte, MD, Aslan Bilici, MD, and Masum Şimşek, MD

218 Effects of Exercise on Gallbladder Volume and Motility in Obese Women

Ramazan Sari, MD, Nilufer Balci, MD, and Mustafa Kemal Balci, MD

223 Using Fetal Acoustic Stimulation to Shorten the Biophysical Profile

Michael G. Pinette, MD, Jacquelyn Blackstone, DO, Joseph R. Wax, MD, and Angelina Cartin

226 Endosonographic Evaluation of Perianal Fistulas and Abscesses: Comparison of Two Instruments and Assessment of the Role of Hydrogen Peroxide Injection

Yaakov Maor, MD, Yehuda Chowers, MD, Moshe Koller, MD, Oded Zmora, MD, Simon Bar-Meir, MD, and Benjamin Avidan, MD

CASE REPORTS

233 Multilocular Adenomatoid Tumor of the Ovary: Ultrasonographic Findings

Michel A. Ghossain, MD, Antoine Chucrallah, MD, Hassan Kanso, MD, Noël J. Aoun, MD, and Joseph Abboud, MD

237 Contrast-enhanced Power Doppler Sonography of Malignant Ovarian Tumors Using Harmonic Flash-echo Imaging: Preliminary Experience

Masatomo Kohzuki, MD, Toru Kanzaki, MD, PhD, and Yuji Murata, MD, PhD

243 Hemimegalencephaly: Cranial Sonographic Findings in Neonates

Po-Cheng Hung, MD, and Huei-Shyong Wang, MD

248 **Combined Segmental and Focal Adenomyomatosis Involving the Body of the Gallbladder**

Mustafa Secil, MD, Sebnem Karasu, MD, Ozgul Sagol, MD, and Ahmet Coker, MD

251 **Splenic Vein Aneurysm with Calcification of Splenic and Portal Veins**

Ercan Kocakoc, MD, Adem Kiris, MD, Zulkif Bozgeyik, MD, Hadi Uysal, MD, and Hakan Artas, MD

Volume 33, Number 6, July/August 2005

RESEARCH ARTICLES

255 **Exorenal Circulation of Pediatric Kidney: Evaluation with Power Doppler Imaging**

Victoria Garriga Farriol, MD, Nuria Rosón Gradaille, MD, Xavier Pruna Comella, PhD, Miguel Cuadrado Blázquez, MD, Mateo Martinez Hervas, MD, and Manoli Zarcero Estévez, MD

261 **Evaluation of Severe Transplant Renal Artery Stenosis with Doppler Sonography**

Jian-chu Li, MD, Zhi-gang Ji, MD, Sheng Cai, MD, Yu-xin Jiang, MD, Qing Dai, MD, and Jin-xi Zhang, MD

270 **Duplex Sonography of Retro-orbital and Carotid Arteries in Patients with Normal-Tension Glaucoma**

Nevbahar Akcar, MD, Nilgün Yıldırım, MD, Baki Adapınar, MD, Tamer Kaya, MD, and I. Ragıp Ozkan, MD

277 **Ultrasonographic Examination of the Normal and Injured Posterior Cruciate Ligament**

Chih-Chin Hsu, MD, PhD, Wen-Chung Tsai, MD, PhD, Carl Pai-Chu Chen, MD, Wen-Lin Yeh, MD, Simon Fuk-Tan Tang, MD, and Jun-Kung Kuo, MD

283 **Minimally Invasive Procedure for Resection of a Parathyroid Adenoma: The Role of Preoperative High-Resolution Ultrasonography**

Hanna Gilat, MD, Maya Cohen, MD, Raphael Feinmesser, MD, Joshua Benzion, MD, Jakob Shvero, MD, Karl Segal, MD, David Ulanovsky, MD, and Thomas Shpitzer, MD

PICTORIAL ESSAY

288 **Soft-tissue Axillary Masses (Excluding Metastases from Breast Cancer): Sonographic Appearances and Correlative Imaging**

Jin-Kyung An, MD, Ki Keun Oh, MD, and Woo Hee Jung, MD

CASE REPORTS

298 **Sonographic Findings of Hibernoma. A Report of Two Cases**

Jendrik Hardes, MD, Stefanie Scheil-Bertram, MD, Erich Hartwig, MD, Carsten Gebert, MD, Georg Gosheger, MD, and Michael Schulte, MD

302 **Primary Carcinoid Tumor of the Liver: Report of a Case with an Emphasis on Contrast-enhanced Ultrasonographic Findings**

Tomoya Komatsuda, MD, Hideaki Ishida, MD, Kayoko Furukawa, MD, Takaharu Miyauchi, MD, and Joichi Heianna, MD

305 **Pott's Puffy Tumor: Sonographic Diagnosis**

Brighita Weinberg, MD, Shilpa Gupta, MD, Manuel J. Thomas, MD, and Harvey Stern, MD

308 **Prenatal Diagnosis of Pentalogy of Cantrell in Three Cases, Two with Craniorachischisis**

Ibrahim Polat, MD, Ahmet Gül, MD, Halil Aslan, MD, Altan Cebeci, MD, Bülent Ozseker, MD, Bahar Caglar, MD, and Yavuz Ceylan, MD

312 **Prenatal Three-Dimensional/Four-Dimensional Sonographic Demonstration of Facial Dysmorphisms Associated with Holoprosencephaly**

Chih-Ping Chen, MD, Jin-Chung Shih, MD, Chin-Yuan Hsu, MD, Chen-Yu Chen, MD, Jon-Kway Huang, MD, and Wayseen Wang, MS

CORRESPONDENCE

319 **Repeat Sonographic Examinations of the Abdomen Are Useful in Diagnosing Intestinal Ischemia**

Gabriele Böhm, MD, Son Truong, MD, and Volker Schumpelick, MD

Volume 33, Number 7, September 2005

RESEARCH ARTICLES

321 **Role of Sonography in the Evaluation of Carotid Artery Stents**

Stephen E. Fleming, MD, Edward I. Bluth, MD, and James Milburn, MD

329 **Cervical Length, Multifetal Pregnancy Reduction, and Prediction of Preterm Birth**

Gideon Fait, MD, Joseph Har-Toov, MD, Ilan Gull, MD, Joseph B. Lessing, MD, Ariel Jaffa, MD, and Igal Wolman, MD

333 **Evaluation of Joint Effusion in Rabbits by Color Doppler, Power Doppler, and Contrast-Enhanced Power Doppler Ultrasonography**

Gye-Yeon Lim, MD, Soo Ah Im, MD, Won Sang Jung, MD, Jae Mun Lee, MD, and Ah Won Lee, MD

339 **Doppler Evaluation of Pediatric Goiter: Effect of Mandatory Iodination**

Tülay Özer, MD, Fatma Demirel, MD, Kamran Mahmutyazıcıoğlu, MD, Ahmet Gürel, MD, Hüseyin Özdemir, MD, Ahmet Savranlar, MD, Nejat Demircan, MD, and Sadi Gündoğdu, MD

PICTORIAL ESSAY

345 **Sonographic Examination of the Acromioclavicular and Sternoclavicular Joints**

Melanie Ferri, MD, FRCPC, Karen Finlay, MD, FRCPC, Terry Popowich, BSc, RDMS, Erik Jurriaans, MB, ChB, FRCR, FRCPC, and Lawrence Friedman, MBBCh, FRCPC

CASE REPORTS

356 **Gray-Scale and Color Doppler Sonographic Findings in a Case of Mesenteric Castleman's Disease Incidentally Detected in a Patient with Graves' Disease**

Maurizio Loy, MD, Enrica Perra, MD, Paolo Siotto, MD, Antonio Argiolas, MD, Alessandro Melis, MD, Maria Elisabetta Cianchetti, MD, and Mariotti Stefano, MD

360 **Use of Intraoperative Ultrasound in Excision of Multiple Schwannomas of the Thigh**

Alex Senchenkov, MD, Andrew Kriegel, MD, Edgar D. Staren, MD, PhD, MBA, and David C. Allison, MD, PhD

364 **First Trimester Diagnosis of Dicephalic Parapagus Conjoined Twins via Transvaginal Ultrasonography**

Fisun Vural, MD, and Birol Vural, MD

367 **Prenatal Sonographic Features of Isolated Hypoplastic Left Heart Syndrome**

Theera Tongsong, MD, Rekwan Sittiwangkul, MD, Surapan Khunamornpong, MD, and Chanane Wanapirak, MD

372 **Sonographic Appearance of Fallopian Tube Carcinoma**

Ma-lee Ko, MD, MHA, Cherng-Jye Jeng, MD, PhD, Su-Chee Chen, MD, and Chii-Ruey Tzeng, MD, MPH

Volume 33, Number 8, October 2005

RESEARCH ARTICLES

375 **Graves' Ophthalmopathy: Comparison of the Doppler Sonography Parameters with the Clinical Activity Score**

Bahar Yanik, MD, Işik Conkbayir, MD, Golge Acaroglu, MD, and Baki Hekimoglu, MD

381 **Relationship between the Sonographic Appearance of the Thyroid and the Clinical Course and Autoimmune Activity of Graves' Disease**

Marina Baldini, MD, Alessandra Orsatti, MSc, Maria Teresa Bonfanti, MD, Daniela Castagnone, MD, and Luigi Cantalamessa, MD, PhD

386 **Sonography of Pleural Space in Healthy Individuals**

Ksenija Kocijančič, MD, MSc, Igor Kocijančič, MD, PhD, and Gaj Vidmar, MSc (Psyc)

390 **Color Doppler Evaluation of Changes in Uterine Perfusion Induced by the Use of an Absorbable Cervical Tourniquet During Open Myomectomy**

Alexander Taylor, MB, BS, MRCOG, Sally Blackmore, Panos Tsirkas, MD, and Adam Magos, MD, FRCOG

394 **Sonographic Identification and Measurement of the Epiphyseal Ossification Centers as Markers of Fetal Gestational Age**

Helio Delle Donne, Jr. MD, Anibal Faúndes, MD, Edson G. Tristão, MD, Maria Helena de Sousa, MSc, and Almir Antonio Urbanetz, MD

REVIEW

401 **Endoscopic Ultrasound-Guided Fine-Needle Aspiration Cytology for Diagnosis above and below the Diaphragm**

Manoop S. Bhutani, MD and Roberto Logroño, MD

CASE REPORTS

412 **Sonographic Appearance of a Late-Diagnosed Left Bochdalek Hernia in a Middle-Aged Woman: Case Report and Review of the Literature**

Stylianos D. Megremis, MD, PhD, Nikolaos I. Segkos, MD, Georgios P. Gavridakis, MD, Michael G. Mattheakis, MD, Elias G. Kehayas, MD, Lambros B. Triantafyllou, MD, Evaggelia E. Sfakianaki, MD, PhD, and Georgios E. Chalkiadakis MD, PhD

418 **Malignant Mesothelioma of the Tunica Vaginalis Testis: Unusual Sonographic Appearance**

Ming-Tsung Wang, MD, Chee-Wai Mak, MD, Wen-Sheng Tzeng, MD, Jyh-Ching Chen, MD, Jinn-Ming Chang, MD, and Ching-Nan Lin, MD

421 **Sonographic Findings of Prenatal Torsion of Ovarian Lymphangioma**

Changsuk Park, MD, Jung Whee Lee, MD, Sa Jin Kim, MD, PhD, and Jeana Kim, MD

424 **Ultrasonographic Evaluation of a Uterine Malignant Melanoma Presenting as a Large Pelvic Mass**

Michail Varras, MD, PhD, Demetrios Kassanos, MD, PhD, Olympia Tzaida, MD, Nikolaos Bournas, MD, Nikolaos Panagiotopoulos, MD, PhD, Charalambos Chrelias, MD, PhD, and Emmanuel Salamalekis, MD, PhD

427 **Prenatal Sonographic Diagnosis of Tetralogy of Fallot**

Theera Tongsong, MD, Rekwan Sittiwangkul, MD, Pharuhas Chanprapaph, MD, and Supatra Sirichotiyakul, MD

Volume 33, Number 9, December 2005

RESEARCH ARTICLES

433 **Wandering Spleen—the Challenge of Ultrasound Diagnosis: Report of 7 Cases**

Boaz Karmazyn, Ran Steinberg, Gabriella Gayer, Sylvia Grozovski, Enrique Freud, and Liora Kornreich

439 **Sonographic Measurement of the Thickness of Subcutaneous Tissues in Nonalcoholic Fatty Liver Disease Versus Other Chronic Liver Diseases**

Thomas R. Riley, MD and Michael A. Bruno, MD

442 **Sonographically Guided Thoracentesis and Rate of Pneumothorax**

Terrance W. Barnes, MD, Timothy I. Morgenthaler, MD, Eric J. Olson, MD, Gina K. Hesley, MD, Paul A. Decker, MS, and Jay H. Ryu, MD

447 **Tubular Ectasia of the Epididymis: A Sign of Postvasectomy Status**

Kousei Ishigami, MD, Monzer M. Abu-Yousef, MD, and Yousef El-Zein, MD

452 **Patients' Tolerance and Early Complications of Transrectal Sonographically Guided Prostate Biopsy: Prospective Study of 300 Patients**

Mehraj Sheikh, MD, Ali Y. T. Hussein, MD, Elijah O. Kehinde, MD, Osama Al-Saeed, Am B Rad, Yusuf M. Ali, MD, and Jehoram T. Anim, FRCPath

TECHNICAL REPORT

457 **Foot Pedal-Activated Injector for Contrast-Enhanced Sonography**

Yukihiro Hama, MD and Shigeru Kosuda, MD

CASE REPORTS

460 **Conservative Management of Live Tubal Pregnancies by Ultrasound Guided Potassium Chloride Injection and Systemic Methotrexate Treatment**

Usha Verma, MD and Elvire Jacques, MD

464 **Vein Wall Dissection: A Rare Puncture-Related Complication of Brachiocephalic Fistula. Gray-Scale and Color Doppler Sonographic Findings**

Octavio J. Salgado, MD, Rosa E. Chacón, MD, Armando Alcalá, MD, and Gerardo Alvarez, MD

468 **Sonographic Appearance of a Carcinoma Developed in Ectopic Axillary Breast Tissue**

Philippe Vignal, MD

471 **Sonographic Appearance of a Tear of the Lateral Internal Oblique Muscle Resulting from Cough**

You Mie Han, MD, Jeong Hyun Yoo, MD, and Jeong Soo Suh, MD

474 **Color Doppler Twinkling Artifact in a Calcified Liver Mass**

Bahar Yanik, MD, Işik Conkbayir, MD, Esin Çakmakçi, MD, and Baki Hekimoğlu, MD

CORRESPONDENCE

477 **Squamous Cell Carcinoma of the Liver: Metastasis or Primary Neoplasm?**

Silvia Bondini, MD, Simona Leoni, MD, and Luigi Bolondi, MD

479 **THANKS TO REVIEWERS**

Journal of Clinical Ultrasound Contents, Volume 33, 2005